

AGRICULTURAL LIBRARIES INFORMATION NOTES

YOUR OWN HANDS

An innovative, inexpensive, and easy new method for applying powerful computer capabilities to operational problems has been developed by the Technical Information Systems (TIS) staff, Science and Education Administration (SEA), USDA. The TIS system uses widely available word processing equipment capable both of accessing and interacting with larger computers and other word processors. This approach allows program personnel and managers to reduce their excessive dependence on outmoded batch processing systems which utilize centralized hardware and slowly-written arcane software. Access becomes immediate. All operations become distributed.

The basic building blocks in this new approach are widely available and relatively cheap word processors which are meant to "stand alone." By linking word processors to powerful existing online information retrieval systems, and/or to mini-computers with greater storage and more powerful processing capabilities, operating personnel can use records and information contained in other systems to build their own systems.

The TIS project is labeled "Your Own Hands" because it is meant to place computer power directly in the hands of program staff.

The first demonstration outside TIS, to several SEA/Joint Program &

Evaluation staff members, accessed several program data bases using a Lanier word processor as a remote "smart terminal" online to a system that contains a pilot file of "Extension Narrative Accomplishments", and then to the CRIS (Current Research Information System) file on a different system. The operator selected records from each file, stored them in the word processor memory, and then merged and reformatted them using flexible text-editing capabilities (reformatting, addition, deletion, sorting, etc.)

Additional connections and capabilities are being developed and demonstrated every week as technical problems are being overcome and software potential defined. Connections between the word processor and the TSO system at USDA Washington Computer Center have just been demonstrated. Further linkages to minicomputers and to online computer data base management systems will be demonstrated shortly.

Meanwhile, existing ability to link Lanier word processors together over phone lines will be utilized more fully in new applications. One of the most important to TIS is the ability of individuals and organizations at remote locations, land grant universities, for example, to generate

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specialized data base which can be brought together in a central family of files online, such as AGRICOLA.

The potential for managing and manipulating administrative data is also great. Information entered by program staff for local management use, such as procurement and obligation data, personnel data, travel, training, etc., could be forwarded electronically to administrative staffs who could cumulate, reformat, and add to the data as needed for their purposes.

In the Office of the Administrator TIS, three word processing projects have been developed for assisting in the daily management process. They are (1) An Organizational Staffing Chart, (2) An Operating Plan and Status of Funds, and (3) A Personnel Action Tracking System. Once a basic format or plan has been established for outlining the desired information needed, records can easily be updated by either inserting or deleting characters or items.

The Operating Plan and Status of Funds report is updated monthly, with the aid of the Lanier Financial Program. This program is designed to provide certain arithmetic capabilities, which can be performed on the typing system and still allow general word processing capabilities needed to do standard typing.


At the present time the Organizational Staff Chart and the Personnel Action Tracking System are updated on a monthly basis with the Word Processing "Smart Disc" Program.

This program contains four basic functions; SORT information in alphabetical order, EXTRACT certain categories or titles, REPORT information in new form, and PERFORM two or more operations at one time. A plan page is set up and memorized on a diskette in order to program the Lanier for performing all of the above functions. This page has been

established for the Status of Funds Report in order to alphabetize obligations by each organizational unit, to extract data about individual units, and to extract all obligations pertaining to training, online access, databases, etc.

One of the most interesting possibilities is the ability to cross data from one application to another. For instance, TIS is considering building an online file of forthcoming agricultural meetings. SEA units could use this file in generating detailed operating plans for travel. As travel forms and vouchers are submitted, the plans could be updated to show the status of funds. Meanwhile, SEA administrators could access this file to build their own travel calendars, such as the one now issued by the Secretary of Agriculture and his high-level staff.

If the administrators planned travel to meetings not already listed in the main file, their secretaries could transmit basic data on those meetings to the central file, updating and enlarging the file. Of course, these travel calendars could be made available through electronic mail, rather than on paper, and could be updated daily rather than weekly.

The differences between word processing and computing are now differences of degree rather than kind. TIS intends to play a lead role in demonstrating their proximity and simplicity through readily available systems. The possibilities are limited only by knowledge of what already exists, and by the imagination of our colleagues at every level and in every organizational unit. The information world is now in "Your Own Hands." 

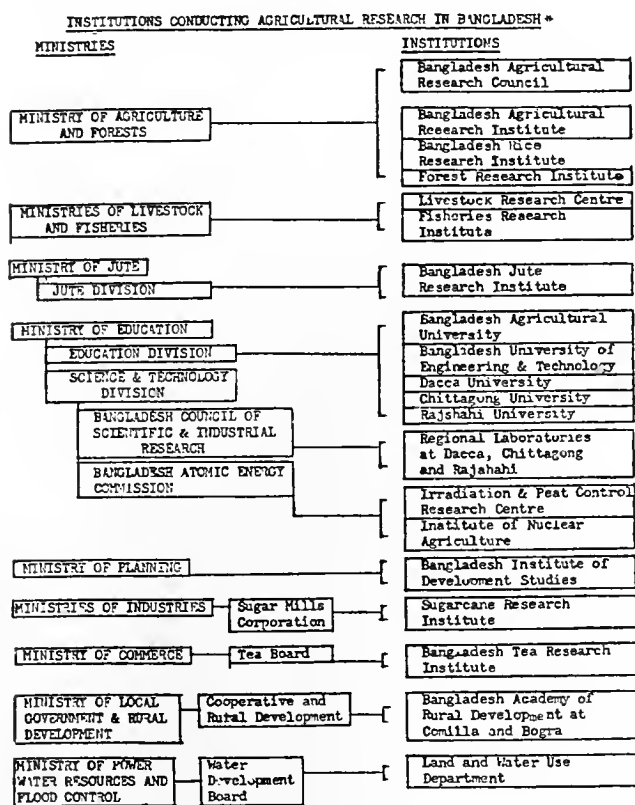
Material for this article contributed by Sam Waters, Associate Administrator, David Hoyt, Leader, Training & Education, and Ruben Aragon, Library Technician, TIS/SEA/USDA.

BANGLADESH AGRICULTURAL LIBRARY

CONSULTANCY

John M. Sekerak, Collection Development librarian and subject specialist in Agriculture and Biology at the University of California, Davis, served as an agricultural library consultant in Bangladesh for the UNDP/FAO. This mission was designed to prepare the groundwork for development of a network of "federated" libraries to coordinate the collection and dissemination of agricultural research literature in the various institutions conducting agricultural research in Bangladesh. Chart 1 outlines the many agricultural research units involved in this project.

Chart 1



One of the many problems is that these units are quite autonomous and under a variety of administrations - leaving no central agency through which the work would be coordinated. Yet there was a reasonable understanding on the part of the many administrations for the need of cooperation if available funds could be mustered. This remains the big problem for such a depressed country as Bangladesh. This is further complicated by the fact that less than 15% of the national budget is used in support of agriculture, and there is considerable doubt if the political situation could be altered sufficiently to funnel more funds away from industrial improvement to increase that for agriculture.

Another significant problem was the lack of a literate group of people to provide such services. The literacy rate was under 25%, and the very low status of librarians even in Bangladesh left very little incentive or motivation for the literate few to want to work in these areas. The great mass of manpower simply could not read.

In line with the terms of reference for the mission, visits were made to almost all the units listed in the chart (if they had any collection at all). Collections that did exist were largely made up on a catch-as-catch-can basis, and their capacity for service was most limited if it existed at all.

Also within the terms of reference an organizational chart (2) was prepared to reflect the needs of such a central servicing unit for a federated network of libraries. (LIBRARY, Continued on p. 4)

*A more extensive list may be found in CARIS (Current Agricultural Research Information System) "Agricultural Research in Developing Countries" Volume 1 - Research Institutions. FAO 1978.

(LIBRARY, Continued from p. 3)

By a Presidential order, the Bangladesh Agricultural Research Council (BARC) Library was to serve as this focal point. The Library has a most meager collection of only a few hundred volumes, and very few periodicals which are received largely through gift subscriptions with little assurance of continuity. However, new quarters are being proposed for BARC and the Library was to receive a portion of this building for its use. The World Bank is lending support for this building project. Bangladesh is a participant in AGRASIA and CARIS, and the BARC Library is to provide the input.


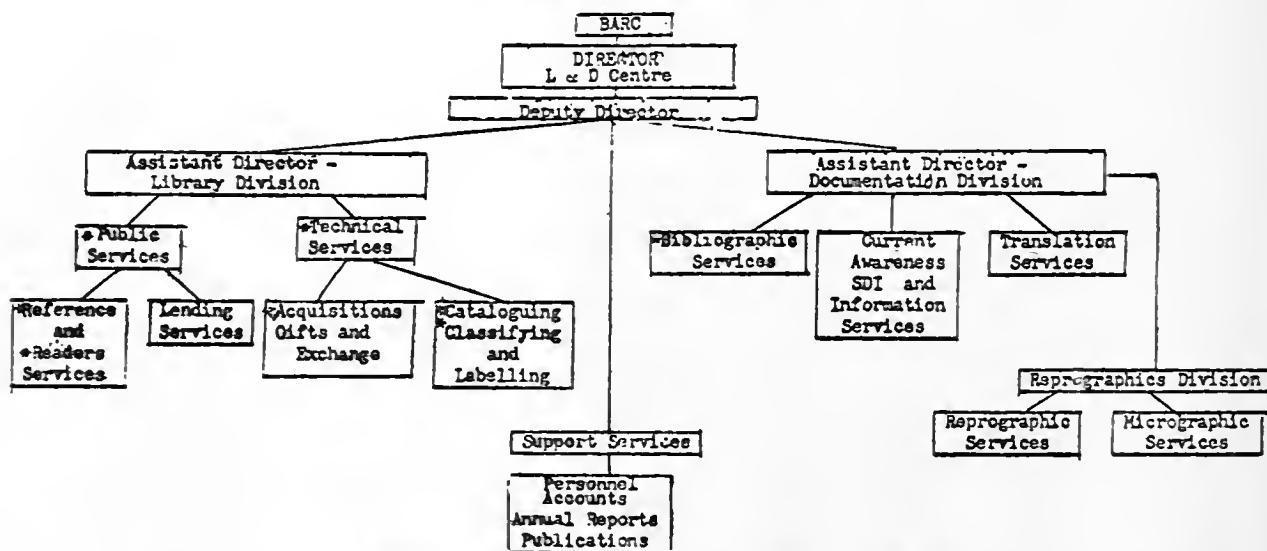
The Library Science Department at the University of Dacca provides a minimal course in library science and lacks any course in scientific and technical reference works. This necessitated a proposal for overseas training for the top positions as designated in the chart. Later these persons could advise and work with the University of Dacca to upgrade their program or develop their own in-service program for support staff to meet their needs. 

Chart 2

BANGLADESH AGRICULTURAL RESEARCH COUNCIL
LIBRARY AND DOCUMENTATION CENTRE
SERVICE ORGANIZATION CHART



All director positions should be filled by persons holding library degrees from overseas universities. These positions marked by an asterisk (*) may in the beginning phases of the program be locally trained librarians who should be encouraged to obtain degrees from overseas universities.



AGRICULTURAL LESSONS VIA PLATO/VIDEO DISC

Continuing education of people engaged in agribusiness through interactive PLATO/Videodisc lessons is being explored by the Center for Instructional Product Development, Utah State University and Control Data Corporation.

The project has two main objectives:

1. To develop and produce an integrated videocomputer instructional program composed of a lesson in at least three of the following agriculture specialities:

- (1) Artificial Insemination
- (2) Herbicide and Pesticide Application
- (3) Agricultural Maintenance/Repair Welding
- (4) Farm Solar Energy Application

and accurately document the Videodisc/PLATO instructional product development process.

2. To test the hypothesis of optimal simulation training via intelligent computer controlled videodisc system.

The project will produce interactive courseware in the agribusiness curriculum area with PLATO/Videodisc lessons.

Evaluation data will be gathered to see if learners in the target audience can actually demonstrate the competency described in the lessons after using the PLATO/Videodisc simulation lessons. The entire instructional development process, including design, development, production, and evaluation, will be documented for possible future applications.

The successful completion of the project will help establish the utility and cost effectiveness of PLATO/ Videodisc courseware in the field testing environment. Documentation will be provided on the total development process.

The Project is being developed for private use by CDC and began January 1, 1980, and ends June 30, 1981. It is being run in Utah and may involve some experiment station personnel.

The data collected will demonstrate learner performance on cognitive and affective levels for each lesson as well as indicating the degree to which each simulation was effective in actual hands-on application. The final product including the computer software and the videodisc will be available to CDC as an effective demonstration of a PLATO/Videodisc system.

Project cooperators are Robert D. Woolley, Education & Curriculum Librarian and Asst. Professor, Instructional Media, R. Kent Wood and Michael L. DeBlois, Instructional Media Department, Utah State University. These Technical Reports on aspects of the project are available:

<u>Rept.</u>	<u>Title and Author(s)</u>
1	Preliminary Benchmark Data for the PR #7820 Discovision Associates Videodisc Player, by Robert D. Woolley and Michael L. DeBlois.
2	Pilot Language Documentation for the ECC/USAREUR Videodisc Projects, by Robert D. Woolley and Joe Williams.

*Programed Logic for Automatic Teaching Operations

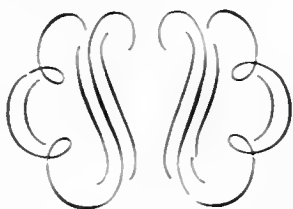
(PLATO, Continued on p. 6)

(PLATO, Continued on p. 5)

- 3 A Model for Developing Interactive Microcomputer/Video-disc Instruction, by Michael L. DeBlois and Robert D. Woolley.
- 4 Videodisc Premastering and Scripting Procedures, by Lorna Hardin and Barry Willis.
- 5 Computer Interface Documentation for the PR #7820 Discovision Associates Videodisc Player, by Robert D. Woolley and Joe Williams.
- 6 Microcomputer Evaluations and Technical Specifications: A Consumers Guide, by Robert D. Woolley, R. Kent Wood and J. Steven Soulier.
- 7 State of the Art of Optical Disc Technology for Consumer and Educational Use, by R. Kent Wood and Robert D. Woolley.
- 8 Criteria for the Development of an Educational/Industrial Videodisc Player, By Robert D. Woolley and Rod Daynes.

The cost is \$10.00 per report or they are available on an exchange basis with qualified research projects. For further details contact:

Center for Instructional Product Development
Department of Instructional Media
Utah State University
Logan, Utah 84322
Tel: (801) 750-2686



AGRICOLA USER'S GUIDE

Four new supplemental inserts have been issued to the AGRICOLA USER'S GUIDE making a total of 5 inserts issued to date.

- No. 1. FNIC Category Codes, 1979-
- No. 2. Agricultural Saved Searches on DIALOG
- No. 3, Appendix D: AGRICOLA subject category codes
- No, 3, Appendix E: Great Britain. Ministry of Agriculture, Fisheries and Food, MAFF Stored Searches
4. Document Source Codes

Charles Gilreath and Nathan Baum, Texas A&M University Library, have prepared a nine page Index to the *Guide*. Inserts and Index will be distributed automatically to all recipients of the *Guide* by the end of May. Sets may be requested from:

Reference Branch
Library Services Division
TIS/SEA/USDA
Room 302, NAL Building
Beltsville, Md. 20760

Please send a self-addressed return label.



AGRICULTURAL
TRANSLATIONS



Technical Information Systems reviews titles before translations are made in order to avoid duplication within USDA. We also receive copies on deposit often far in advance of their listings in the standard bibliographic tools. This column is an alert to selected new receipts at TIS. These items are available to USDA personnel upon presentation of a loan request (AD-245) with the identification: TRANS. No. _____ along with the citation. Non-USDA persons may request photo-duplication at the rate of \$2 for each 10 pages or fraction thereof per citation. TRANS. No. _____ MUST be on the request. Both types of requests should be sent to:

Lending Division, Technical Information Systems
National Agricultural Library Building
U.S. Department of Agriculture
Beltsville, Maryland 20705

The Technical Translation Number will also be cited for those translations prepared for the U.S. Department of Agriculture and the National Science Foundation under the P.L. 480 program. Copies of these translations may also be ordered from the National Translation Center, John Crerar Library, 35 West 33rd Street, Chicago, IL 60616.

BONTE, J., et. al. Contribution to the Study of the Resistance of Pelargonium to an Atmospheric Pollutant, Sulfur Dioxide. Translated from French: *Physiol. Veg.*, 15: (1): 15-27, 1977. TRANS. No. 25377 TT 79-58129

BONTE, J., et. al. Inhibition of the Stomatal Closing Reaction of Pelargonium During Anaerobiosis in Presence of Sulfur dioxide. Translated from French: *Environ. Pollution*, 12: (2): 125-133, 1977. TRANS. No. 25421 TT 79-58130

CHEVALIER, S., et. al. Influence of Pollution Due to Fluoring on the Apple Tree Ultrastructural Modifications of the Leaves. Translated from French: *Ann. Agron.*, 27, (4): 465-475, 1977. TRANS. No. 25463. TT 79-58131

KIND, T. V. The Dynamics of the Brain Endocrine Activity on the Reactivation of the Diapausing Pupae of the Cabbage Moth (*Barathra Brassicae*) and Subsequent Imaginal Development. Translated from Russian: *Zoologicheskii Zhurnal*, 56 (6): 881-893, 1977. TRANS. No. 25414. TT 79-59068

KORN, G. Studies on the Kinds of Antibodies Occurring in the Course of Swine Fever and Their Relationship to Antigens. Translation from German: *Zbl. Vet. Med.*, 24: 274-286, 1977. TRANS. No. 25241. TT 79-59018/14

KOHLER, H. Rickets in Broilers by Food Contamination with *Fusarium Moniliforme* Sheldon. Histological and Mycotoxicological Studies. Translated from German: *Zbl. Vet. Med. B.* 25: 89-109, 1978. TRANS. No. 25449 TT 79-53159

NAKAMORI, H., et al. The Effect of Temperature on Pupal Development of the Melon Fly, *Dacus Cucurbitae* Coq. and a Method of Controlling the Timing of Adult Emergency. Translated from Japanese: *Nihon Oyo Dobutsu Konchu Gakkishi*, 22 (2): 56-59, 1978. TRANS. No. 25420.

PAVLASEK, I. Occurrence of Coccidiosis in Calves at the Age of One to Six Months in a Large-Capacity Calf-House. Translated from the Czech: *Veterinarni Med.* 23, (7): 411-420, 1978. TRANS. No. 25379.

PICKOVA, J. Contribution to the Determination of Riboflavin. Translated from German: *Die Nahrung*, 21 (1): 45-51, 1977. TRANS. No. 25378. TT 79-58206

PRUD'HOMME, M. Uterine Activity in Ewe Before, During and After Spontaneous Parturition or After Descamethasone Treatment. Translated from French: *Ann. Biol. Anim. Bioch. Biophys.*, 17 (1): 9-19, 1977. TRANS. No. 25397.

TT 78-59333





The titles listed below are owned by the Library; those lacking call numbers have not yet been cataloged. The foreign, as well as domestic titles are available from the Library through loan or photocopy.

Aleksandr Ivanovich Selivanov (1908-1976) [Bibliography of the works of a Soviet specialist on tractors and farm machinery]. Compiled by I. A. Gar. Moskva, Tsentral'naia Nauchnaia i Spetsializirovannaiia Biblioteka. 1979. 35 p. 252 citations. Price unavailable.

Basic Publications and Educational Aids for Extension Community and Rural Development Workers in the 1980's. Compiled by John S. Bottum et al. (CRD Newsletter, CRD-07 (02/80)). Washington, D.C., U.S. Dept. of Agriculture, Science and Education Administration/Extension, Community and Rural Development. February 1980. 16 p. Approx. 195 citations. Order from: Publisher, Attn. Margaret Bell, Rm. 5048, South Bldg., Washington, D.C. 20250. Free.


Fedor Grigor'evich Kirichenko [Bibliography of the works of a Soviet specialist in the selection and seed-growing of wheat and sunflowers]. Moskva, Tsentral'naia Nauchnaia i Spetsializirovannaiia Biblioteka. 1979. 28 p. 195 citations. Price unavailable.

Forests and Forestry in India: An Introductory Bibliography. Compiled by George F. Taylor, II. (Public Administration Series: Bibliography P-338). Monticello, IL, Vance Bibliographies, October 1979. 7 p. Approx. 80 citations. Order from: Publisher, P.O. Box 229, Monticello, IL 61856. Price: \$1.50. (NAL call no.: Z5991.T3).

Review of Literature Related to Engineering Aspects of Grain Dust Explosions. Compiled by David F. Aldis and Fang S. Lai. (U.S. Dept.

of Agriculture. Miscellaneous Publication, No. 1375). Washington, D.C., Science and Education Administration. August 1979. 42 p. Approx. 145 annotated citations. Order from: Publisher, Publications Request & Distribution, 6022 South Bldg., Washington, D.C. 20250. Free. (NAL call no.: 1 Ag84M).

Tax Exemptions and Payments in Lieu of Taxes, With an Emphasis on Forestry: A Selected Bibliography. Compiled by Anthony G. White. (Public Administration Series: Bibliography P-342). Monticello, IL, Vance Bibliographies, October 1979. 12 p. Approx. 114 citations. Order from: Publisher, P.O. Box 229, Monticello, IL. 61856. Price: \$1.50. (NAL call no.: Z5991.W5).

Wood and Energy in New England: A Review and Bibliography. Compiled by Lynn Palmer, Robert McKusick, and Mark Bailey. (USDA Bibliographies and Literature of Agriculture, No. 7). Washington, D.C., U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service, Natural Resource Economics Division. April 1980. 71 p. 130 partially annotated citations. Order from: U.S. Dept. of Agriculture, ESCS Information, Rm. 0054, South Bldg., Washington, D.C. 20250. Free. 



Fraises des Bois

QUICK BIBLIOGRAPHY SERIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the TIS Reference Staff in response to customer requests.

Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length (approximately 150 citations or more) and probable value to a larger audience. All titles in this series will be listed for four months. Revisions or updates will be re-numbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Division
Technical Information Systems, SEA,
USDA
National Agricultural Library
Building
Beltsville, MD 20705

NAL--BIBL.--80-01. *Direct Marketing: Farmer to Consumer, 1968-1979*. 185 citations from AGRICOLA. Search by Sheldon Cheney. January 1980.

NAL--BIBL.--80-02. *Allelopathy: The Harmful Effects of Chemicals Produced by One Plant Upon Another, 1970-1978*. 176 citations from AGRICOLA. Search by Henry Gilbert. November 1979.

NAL--BIBL.--80-03. *Greenhouse Energy Conservation, 1974-1979*. 397 citations from AGRICOLA. Search by Charles N. Bebee. January 1980.

NAL--BIBL.--80-04. *Plant Explorations and Introductions, 1970-1979*. 271 citations from AGRICOLA. Search by Ann Juneau. January 1980.

NAL--BIBL.--80-05. *Irrigation Scheduling, 1969-1979*. 192 citations from AGRICOLA. Search by Jayne T. MacLean. April 1980.

NAL--BIBL.--80-06. *Urban Forestry, 1974-1979*. 402 citations from AGRICOLA. Search by Jayne T. MacLean. April 1980.

NAL--BIBL.--80-07. *Aquatic Weed Control, 1969-1979*. Search by Jayne T. MacLean. April 1980.

NAL--BIBL.--80-08. *Training Manuals, Handbooks, Guides and Audiovisual Materials on Pesticides, 1963-1979*. 202 citations from AGRICOLA. Search by Charles N. Bebee. April 1980.


NAL--BIBL.--80-09. *Wind Energy in Agriculture, 1970-1979*. Pt. 1: 48 citations; Pt. 2: 122 citations, from AGRICOLA. Search by Jayne T. MacLean. April 1980.

Clearance has been granted to USDA authors to publish the following bibliographies:

A Bibliography of the Effect of Psylla (Homoptera: Psyllidae) on Pear Trees. Compiled by G. J. Fields, R. W. Zwick, and H. R. Moffitt. For information contact: H. W. Moffitt, Yakima Agricultural Research Laboratory, USDA, SEA, AR/WR, 3706 W. Nob Hill Blvd., Yakima, WA 98902.

Grain Dust Abstracts. Compiled by Fang S. Lai. For information contact: Y. Pomeranz, U.S. Grain Marketing Research Laboratory, USDA, SEA, AR/NC, 1515 College Ave., Manhattan, KS 66502.

Relationships of Birds and Spruce Budworm: A Selected Bibliography. Compiled by Hewlette S. Crawford and Daniel T. Jennings. For information contact: H. S. Crawford, Northeastern Forest Experiment Station, U.S. Forest Service, USDA Bldg., University of Maine, Orono, ME 04469.

Storage of High-Moisture Grain Treated with Chemicals: An Annotated Bibliography. Compiled by Y. Pomeranz. For information contact: Compiler, U.S. Grain Marketing Research Laboratory, USDA, SEA, AR/NC, 1515 College Ave., Manhattan, KS 66502. 

CAPITOL HILL LEGISLATION



Basic Research. S. 2333. Encourages basic research by institutions of higher education. Referred to the Senate Finance Committee. Pending as of May 5, 1980.

Energy Independence Grain Reserve Act. S. 2334. Provides a reserve of agricultural grain for purpose of manufacturing alcohol for use as fuel. Introduced February 27, 1980. Referred to Senate Agriculture, Nutrition, and Forestry Committee, pending as of May 5, 1980.

Energy, Priority Energy Project Act of 1979. S. 1308 [H.R. 4935]. Creates an Energy Mobilization Board which would designate priority energy projects, cut red tape, override certain aspects of federal, state, and local laws, and make decisions for those agencies that did not act by a specified deadline. In conference as of May 5, 1980.

Farmer-Held Reserve Program. S. 2427. Encourages greater participation in farmer-held reserve program for corn and wheat, and for other purposes. Approved April 11, 1980. Public Law 96-234.

Federal Crop Insurance. S. 1125 [H.R. 4112]. Provides comprehensive all-risk insurance to every American farmer, provides for a 150% increase on capital stock of Federal Crop Insurance Corporation, for cooperation with private insurers, and for a two-year phase out of the disaster payments program. Pending in conference April 1, 1980.

Land Diversion Payment Program. S. 2438 [H.R. 3352]. Amends Agricultural Act of 1949 to establish land diversion payment programs applicable with respect to the 1980 feed grains and wheat. Bill referred to House Appropriations Committee April 15, 1980.

Soil Conservation and Domestic Allotment Act Amendment. H.R. 3792. Extend Great Plains conservation program. Expands the scope of the contracts to include farms, ranches, and other lands, susceptible to serious water as well as wind erosion. The provisions of the bill would become effective October 1, 1980. Referred to Senate Agriculture, Nutrition, and Forestry, February 26, 1980, reported March 31, 1980, (Rept. 92-342). No further action as of May 5, 1980.

Synthetic Fuels. S. 832 [H.R. 3381]. Appropriates \$20 billion dollars for synthetic fuels development to be managed by a synthetic fuels corporation, includes \$14 billion for gasohol, conservation, solar energy and other programs. Bill still in conference May 5, 1980.



**NEW SERIALS
RECEIVED AT NAL**



ADVANCES IN DESERT AND ARID LAND TECHNOLOGY AND DEVELOPMENT. Chur, Switzerland, New York, Harwood Academic Publishers. No. 1, 1979-
GB611.A3

AUSTRALIAN CANEGROWER. Queensland, QCGC Publications. Vol. 1, 1979-
SB229.A8A9

AQUACULTURE. Little Rock, Ark., Briggs Associates, Inc. Vol. 5, 1979-
SH1.C65
Formerly Commerical Fish Farmer & Aquaculture News.

CURRENT GENETICS. New York, Springer-Verlag. Vol. 1, 1979
QH426.C8

DESERT PLANTS. Superior, Ariz., University of Arizona. Vol. 1, 1979-
QK938.D4D4

FAO AT WORK. Washington, Food and Agriculture Organization of the United Nations, Liaison Office for North America. No. 1, 1979-
S401.U6F6

HERB WALK. Provo, Utah, Gluten Co. Vol. 1, 1979-
QK98.5U6M68

INDEX TO BOOK REVIEWS IN THE SCIENCES. Philadelphia, Institute for Scientific Information. No. 1, 1980-
Z1035.A114

JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS. Amsterdam, Elsevier Scientific Pub. Co. Vol. 1, 1979-
QD281.P9J6

JOURNAL OF BIOSCIENCES. Bangalore, Indian Academy of Sciences. Vol. 1, 1979-
QH1.J63

JOURNAL OF COMPUTATIONAL CHEMISTRY. New York, J. Wiley. Vol. 1, 1980-
QD39.3.M3J6

MARINE BIOLOGY LETTERS. Amsterdam, Elsevier/North-Holland Biomedical Press. Vol. 1, 1979-
QH91.A1M36

PROGRESS IN BIOMASS CONVERSION. New York, Academic Press. Vol. 1, 1979-
TP360.P77


SEA NEWSMAKERS. Washington, U.S. Dept. of Agriculture, Science and Education Administration, Agricultural Research, United States Periodicals. No. 1, 1979-
aS21.S22U54

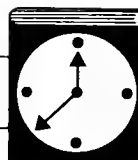


**NEW PUBLICATIONS
OF NOTE**



Bean Production Problems: Disease, Insect, Soil and Climatic Constraints of Phaseolus Vulgaris. Howard F. Schwartz and Guillermo E. Galvez. Cali, Colombia, S. A., Centro Internacional de Agricultura Tropical (CIAT) 1980. 424 p. (Series 09EB-1). \$15.00 (U.S.) and mailing costs (app. U.S. \$4.00 to USA). Order from CIAT Publication Office, Apartado Aereo 6713, Cali, Colombia, S.A.

Salt Tolerant Plants for Florida Landscapes. William E. Barrick. Florida Sea Grant Report No. 28. Free. Available from Marine Advisory Program, GO22 McCarty Hall, University of Florida, Gainesville, FL 32611. 



July 6-11: *FOREST PRODUCTS RESEARCH SOCIETY*. Boston, Mass. Contact: FPRS 2801 Marshall Ct., Madison, WI 53705.

July 21-24: *AMERICAN VETERINARY MEDICAL ASSOCIATION*. Washington, D.C. Contact: D. A. Price, AVMA, 930 N. Meacham Rd., Schaumburg, IL 60196.

July 27-30: *AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION*. Urbana, IL. Contact: J. C. Redman, AAEA, c/o Dept. of Agric. Econ., Univ. of Kentucky, Lexington, KY 40506.

July 27-31: *AMERICAN SOCIETY OF ANIMAL SCIENCE*. Ithaca, N.Y. Contact: D. C. England, Dept. of Animal Science, Oregon State Univ., Corvallis, OR 97331.

August 3-6: *35th SOIL CONSERVATION SOCIETY OF AMERICA INTERNATIONAL CONFERENCE*. Dearborn, Mich. Contact: William Greiner, SCSA, 7515 Northeast Ankeny Road, Ankeny, IA 50021.

August 10-14: *WESTERN HEMISPHERE NUTRITION CONGRESS VI*. Los Angeles, Calif. Contact: Max Milner, Executive Officer, American Institute of Nutrition, 9650 Rockville Pike, Bethesda, MD 20014.

August 10-15: *ROCKY MOUNTAIN MUSHROOM CONFERENCE*. Snowmass, Colo. Contact: Dept. of Professional Education, Rocky Mountain Poison Center, West 8th Ave. 7 Cherokee St. Denver, CO 80204.

August 24-28: *AMERICAN/CANADIAN PHYTOPATHOLOGICAL SOCIETIES*. Minneapolis, Minn. Contact: R. J. Tarteton, APS, 3340 Pilot Knob Rd., St. Paul, MN 55121.

September 21-26: *1st LATIN AMERICAN LIBRARIANSHIP AND DOCUMENTATION CONGRESS*. Salvador-Bahia, Brazil. Contact: Noreth Calmon de Cerqueira Ribeiro, Bibliotecaria CRB 5/103, Secretaria Executiva, Av. Antonio Carlos Magalhaes, s/n-Pituba, PETROBRAS/SEN-BA, Salvador-Bahia-Brasil.

October 1980: *COUNCIL OF BOTANICAL & HORTICULTURAL LIBRARIES*. New York, N.Y. Contact: Charles R. Long, Library, New York Botanical Garden, Bronx, NY 10458.

December 1-2: *ASAE CONFERENCE ON CROP PRODUCTION WITH CONSERVATION IN THE 80's*. Palmer House, Chicago, IL. Contact: John C. Siemans, Chairman, Conference on Crop Production with Conservation in the 80's, Agricultural Engineering Department, Univ. of Illinois, Urbana, IL 61801 (telephone: 217-333-2854).



Exbury Azalea

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